

**POSTER SESSION I - WEDNESDAY, MARCH 29, 2006**  
**10:45 A.M. - 12:15 P.M.**

**TOPIC: Genetics and Aging**

<b>1</b>	Poloko Leotlela, Ph.D., LI	Mechanisms and consequences of Claudin-1 overexpression in melanoma
<b>2</b>	Michael Wade, B.S., LI	Wnt5a mediates the epithelial to mesenchymal transition in melanoma cells
<b>3</b>	Catherine Wolkow, Ph.D., LNS	Muscle contraction may be one factor that promotes cellular deterioration during aging in the pharynx muscles of the nematode, <i>C. elegans</i>
<b>4</b>	Xiangru Xu, Ph.D., LNS	Impact of age, diet, and gender on mouse eye transcriptomes
<b>5</b>	Minaxi Gami, Ph.D., LNS	Identification and characterization of mutations that restore insulin-like signaling in the absence of PI 3-kinase in <i>C. elegans</i>
<b>6</b>	Ana DePina, Ph.D., LNS	DAF-16/FOXO reduces expression of vitellogenin yolk proteins in the absence of insulin signaling in <i>C. elegans</i>
<b>7</b>	Shailaja Kishan Rao, Ph.D., LNS	A systematic RNAi screen for genes modulating insulin signaling in <i>C. elegans</i> reveals that age-1/PI3K regulates sensitivity to RNA interference
<b>8</b>	Wendy G. Iser, B.S., LNS	Defects in DAF-2/insulin signaling in <i>C. elegans</i> reduce cellular dependence on let-363/TOR function
<b>9</b>	Mark Wilson, M.S., LNS	An analysis of gene expression changes with blueberry polyphenol treatment in <i>C. elegans</i>
<b>10</b>	Brandon Sitzmann, M.S., LEG	Expression of clock-related genes in the rhesus macaque pituitary gland
<b>11</b>	Haruyoshi Yamaza, Ph.D., LEG	Analysis of tissue-specific gene expression profile of aging in <i>Drosophila melanogaster</i>
<b>12</b>	Garrick Li, Ph.D., LEG	Genetic approaches to dissecting mechanisms of longevity induced by long-term dietary deprivation in <i>C. elegans</i>
<b>13</b>	Satya Saxena, Ph.D., RRB	Differential expression profiling of proteins by mass spectrometry-based quantitative proteomics
<b>14</b>	David Wilson, Ph.D., LMG	Repair mechanisms for oxidative DNA damage
<b>15</b>	Sudha Sharma, Ph.D., LMG	Human RECQ1 is involved in the DNA damage response
<b>16</b>	Heng Kuan Wong, Ph.D., LMG	Cooperation of Ape1 and CSB in repair of abasic sites
<b>17</b>	Jinshui Fan, Ph.D., LMG	Biological contributions of human XRCC1
<b>18</b>	Lior Weissman, Ph.D., LMG	Alterations in base excision repair in mouse models of Alzheimer's disease
<b>19</b>	Anne-Cecile Bayne, Ph.D., LMG	Characterization of the role of the mitochondrial helicase twinkle in base excision repair
<b>20</b>	Rigu Gupta, M.D., LMG	Biochemical analysis of FancJ helicase polymorphic variants
<b>21</b>	Stella Martomo, Ph.D., LMG	Activation-induced cytosine deaminase generates uracils in antibody genes
<b>22</b>	Deepa Rajagopal, M.S., LMG	Mapping the boundaries of hypermutation in switch regions before antibody constant genes
<b>23</b>	Gad Beck, Ph.D., LMG	Mapping of the Werner protein strand annealing activity
<b>24</b>	Mohammad Hedayati, Ph.D., LMG	Rothmund Thomson syndrome cells are deficient in repair of DNA cross-links induced by 8-methoxypsoralen and ultraviolet A light
<b>25</b>	Rika Kusumoto, Ph.D., LMG	A role of Werner syndrome protein in nonhomologous endjoining repair
<b>26</b>	Scott Maynard, Ph.D., LMG	Physical and functional interaction between DNA glycosylase hOGG1 and double strand break repair protein Rad52
<b>27</b>	Jae Wan Lee, Ph.D., LMG	Human embryonic stem cells and somatic cells differ in the efficiency of DNA repair

28	Nadja C. de Souza Pinto, Ph.D., LMG	Repair of formamidopyrimidines in mammalian mitochondria
29	Sue Ting Liu, Ph.D., LMG	The role of Rad51 paralogs in DNA interstrand crosslink repair using a gene targeting strategy
30	Mark Carter, Ph.D., LG	Systematic screening of genes expressed in subpopulation of ES cells
31	Geppino Falco, Ph.D, LG	Zygotic gene activation 1 (Zga1) is involved in cell cycle regulation in preimplantation embryos and ES cells
32	Josiah Johnston, B.S., LG	Quantitative morphological analysis of age-related deterioration of pharynx muscle in <i>C. elegans</i>
33	Chris Ottolenghi, M.D., Ph.D., LG	Foxl2 in sex determination and ovarian development
34	Zhijiang Yan, Ph.D., LG	Specificity of mammalian SWI/SNF chromatin-remodeling complexes in gene regulation
35	Xue, Yutong, Ph.D., LG	FANCM has a DNA-stimulated translocase activity and is essential for FANCD2 monoubiquitination
36	Yaohui Chen, Ph.D., LG	Towards characterization of placental gene Plac1 transcription
37	Maria Columbino, Ph.D., LG	Transitions of gene expression in ovarian surface epithelium during follicle formation
38	Chang-Yi Cui, M.D., Ph.D., LG	Ectodysplasin regulates the lymphotoxin- $\beta$ pathway for hair follicle differentiation
39	Diana Esibizione, Ph.D., LG	Toward the understanding of EDA-ID compared to incontinentia pigmenti 2
40	Rong Guo, Ph.D., LG	Purification and analysis of FANCI/BRIP1-associated complex
41	Wendy Kimber, Ph.D., LG	Targeted mutagenesis of a novel homeobox gene expressed specifically in preimplantation embryos and ES cells
42	Lechesa Rethabie, M.S., LG	Localization of tagged AdamTS10 in vivo
43	Sung-Lim Lee, D.V.M., Ph.D., LG	Reprogramming of somatic cell nucleus by nuclear transplantation (NT) into mouse oocytes
44	Ti Lin, Ph.D., LG	Differential proliferation in the FGFR3 K644E transgenic mouse results in asymmetrical brain development
45	Chen Ling, M.S., LG,	A human ortholog of archael DNA repair protein Hef is defective in Fanconi anemia complementation group M
46	Eiji Nakashima, M.D., Ph.D., LG	The human RNase MRP RNA-protein complex
47	Shakib Omari, B.S., LG	Foxo co-orthologues in mouse ovarian development
48	Alexei Sharov, Ph.D., LG	Indexing the regulatory sequences on the mouse genome
49	Lioudmila Sharova, Ph.D., LG	Embryonic stem (ES) cells vs embryonic germ (EG) cells
50	Joseph Tran, M.S., LG	Mouse model for cartilage-hair hypoplasia
51	Xu, Dongyi, Ph.D., LG	Analysis of the new components of the Bloom syndrome protein complex
52	Krystyna Mazan-Mamczarz, Ph.D., LCMB	Translational repression by RNA-binding protein TIAR
53	Rudolf Pullmann, M.D., Ph.D., LCMB	Differential stability of thymidylate synthase 3'UTR polymorphic variants governed by AUF1
54	Hyeon-Ho Kim, Ph.D., LCMB	Phosphorylation of HuR: Evidence and implications
55	Stefanie Galban, Ph.D., LCMB	Regulation of cytochrome c expression by HuR and TIA-1
56	Kotb Abdelmohsen Aly, Ph.D., LCMB	Role of RNA-binding protein HuR on SIRT1 expression
57	Simon G. Nyaga, Ph.D., LCMB	Deficient repair of 8-oxoguanine in a BRCA1 mutant human breast cancer cell line
58	Rachana Agarwal, Ph.D., LCMB	Claudin 16 and ovarian cancer
59	Theresa D'Souza, Ph.D., LCMB	PKC phosphorylation of claudin-4 in ovarian cancer
60	Hiroshi Honda, M.D., LCMB	Transcriptional regulation of claudin proteins
61	Jianghong Li, Ph.D., LCMB	A biphasic gene expression response to cisplatin treatment in ovarian cancer: An immediate early gene response followed by a p53 response
62	Ashish Lal, Ph.D., LCMB	Post-transcriptional derepression of GADD45 expression

63	Jeff W. Hill, Ph.D., LCMB	Dimerization and damage-specific catalytic impairment of cancer-associated polymorphic S326C OGG1 DNA repair enzyme
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**POSTER SESSION II - WEDNESDAY, MARCH 29, 2006**  
**3:30 P.M. - 5:00 P.M.**

**TOPIC: Immunology**

<b>1</b>	Jettanong Klaewsongkram, M.D., LI	Krüppel-like factor 4 regulates B cell survival and apoptosis
<b>2</b>	Qing Yu, Ph.D., LI	The role of $\beta$ -catenin in the generation of CD8 <sup>+</sup> T cells
<b>3</b>	Mai Xu, Ph.D., LI	Regulation of p53 and $\beta$ -catenin in T cell lymphomagenesis
<b>4</b>	Carl Sasaki, Ph.D., LI	Cytokine gene expression, but not anti-apoptotic function, is dependent on serine 536 phosphorylation of RelA
<b>5</b>	Susanne Golech, Ph.D., LI	Krüppel-like factor 4 regulates thymic output and proliferation of T cells
<b>6</b>	Amanda Damjanovic, Ph.D., LI	Study of telomere length and telomerase activation in peripheral blood lymphocytes of the elderly in vivo
<b>7</b>	Wai Kan (Karen) Chiu, B.A., LI	Generation and growth of CD28 <sup>null</sup> CD8 <sup>+</sup> memory T cells mediated by IL-15 and its induced cytokines
<b>8</b>	Jason Godlove, B.A., LI	Identification of differentially expressed genes in memory CD8 T cells
<b>9</b>	Lynn Heltemes Harris, Ph.D., LI	Differential expression of Activation-Induced Cytidine Deaminase (AID) in activated B-cell Subsets
<b>10</b>	Louis Rezanka, Ph.D., LI	Vaccination with EPC-conjugates generates a long lasting, PC-specific immune response
<b>11</b>	Gang Chen, Ph.D., LI	Resistance to TGF- $\beta$ 1 correlated with aberrant expression of type II receptor in human B-cell lymphoma cell line
<b>12</b>	Katsuki Sugiyama, M.D., LI	IL-12 plus IL-18-mediated IFN- $\gamma$ production by resting human peripheral blood T cells is sensitive to Rapamycin
<b>13</b>	Colin Slemenda, B.S., LI	Role of serine 529 and 536 phosphorylation of RelA in regulating gene expression
<b>14</b>	Samudra Dissanayake, Ph.D., LI	Role of Wnt5a in the suppression of Mart1
<b>15</b>	Vishwa Deep Dixit, D.V.M., Ph.D., LI	Fasting induced rewiring of human peripheral blood mononuclear cell cytokine secretion
<b>16</b>	Bolor Vandanmagsar, Ph.D., LI	The generation of conditional KO and T-cell transgenic mice for the ghrelin and leptin genes and their receptors
<b>17</b>	Manik Ghosh, Ph.D., LI	Chemokines differentially induced the activation of the non-canonical Wnt pathways on human T cells
<b>18</b>	Hyunwon Yang, Ph.D., LI	Leptin directly promotes thymic cellularity and inhibits apoptosis through suppression of TNF- $\alpha$
<b>19</b>	Ana Lustig, M.S., LI	Analysis of the genomic and proteomic expression profiles of aging thymocytes
<b>20</b>	Arnell Carter, B.S., LI	Gene expression profiling of the bone marrow within the AGEMAP study
<b>21</b>	Dorothy Bertak, LI	Gene expression profiling of AD reveals changes in chemokine signaling and ECE2
<b>22</b>	Dolgor Baatar, M.D., Ph.D., LI	Demonstration of existence of skin homing and CCR4 expressing population of T regulatory cells and their role in induction of adaptive immune responses
<b>23</b>	Hansen Du, Ph.D., LCMB	In-vitro reconstitution of enhancer-dependent RAG cleavage
<b>24</b>	Tirtha Chakraborty, Ph.D., LCMB	Heterochromatic features of the DH region
<b>25</b>	Roza Selimyan, Ph.D., LCMB	Chromosome conformation of the IgH locus in B lymphocyte precursors
<b>26</b>	Ramesh Subrahmanyam, Ph.D., LCMB	Regulation of the first step of IgH gene recombination
<b>27</b>	Simonetta Camandola, Ph.D., LCMB	Kinetic analysis of gene regulation in CD4T effector T cells
<b>28</b>	Kasturi Banerjee, Ph.D., LCMB	Post-transcriptional regulation of NF- $\kappa$ B-dependent genes
<b>29</b>	Purnema Madahar, B.S., LCMB	Redox regulation of the NF- $\kappa$ B response in B and T lymphocytes

<b>30</b>	Anjali R. Gopal, M.D., LCMB	Local restriction of immunoglobulin gene conversion and somatic hypermutation
<b>31</b>	Patricia Precht, B.A., LCMB	Chromatin remodeling regulates gene expression in a T cell line
<b>32</b>	Andrea Wurster, Ph.D., LCMB	BRG1 and T helper cell differentiation
<b>33</b>	Arsun Bektas, Ph.D., CRB	NF- $\kappa$ B response of human T lymphocytes
<b>34</b>	Fred Indig, Ph.D., RRB	Confocal analysis of chemokine trafficking
<b>35</b>	Harry Hochheiser, Ph.D., LG	Java and web-based interactive navigation of images and meta-data in the Open Microscopy Environment
<b>36</b>	Tomasz Macura, B.S., LG	The Open Microscopy Environment MATLAB Handler: Combining bioinformatics data and an image repository with a quantitative analysis framework
<b>37</b>	Nikita Orlov, Ph.D., LG	Image similarities in classification problems for microscopy applications
<b>38</b>	Meredith Safford, Ph.D., LCS	Role of HSG in T cell activation-induced death
<b>39</b>	Jill Harper, Ph.D., LCI	Expression and regulation of the costimulatory molecule B7-h2 in Non Hodgkin's Lymphoma cells

**POSTER SESSION I - THURSDAY, MARCH 30, 2006**  
**10:45 A.M. - 12:15 P.M.**

**TOPIC: Neuroscience**

<b>1</b>	Richard P. Bazinet, Ph.D., BPMS	Chronic fluoxetine increases cytosolic phospholipase A <sub>2</sub> activity and arachidonic acid turnover in brain phospholipids of the unanesthetized rat
<b>2</b>	Ho-Joo Lee, Ph.D., BPMS	Effect of n-3 PUFA dietary deprivation on the expression of enzymes involved the arachidonic acid cascade in rat frontal cortex
<b>3</b>	Miki Igarashi, Ph.D., BPMS	$\alpha$ -linolenic acid is minimally converted to DHA in brain of adult rats fed a n-3 PUFA-deficient diet
<b>4</b>	Henry Nguyen, Ph.D., BPMS	Nicotine increases the arachidonic acid incorporation coefficients (k*) in a time- and dose-dependent manner in unanesthetized rats
<b>5</b>	Abesh K. Bhattacharjee, M.B.B.S., Ph.D., BPMS	Imaging phospholipase-A <sub>2</sub> -mediated arachidonic acid signaling in a Parkinson model rat acutely administered D-amphetamine
<b>6</b>	Mireille Basselin, Ph.D., BPMS	Arecoline-induced brain arachidonic acid signal is suppressed in the cyclooxygenase knockout mice and in flurbiprofen-treated rat
<b>7</b>	Christopher D. Toscano, M.S., Ph.D., BPMS	Mice deficient in cyclooxygenase-2 are more susceptible than wild-types to kainic acid excitotoxicity
<b>8</b>	Sang-Ho Choi, Ph.D., BPMS	Cyclooxygenase-1 deficient mice show decreased inflammatory markers after intracerebroventricular injection of lipopolysaccharide
<b>9</b>	Saba Aid, Ph.D., BPMS	Changes in the arachidonic acid cascade in rat hippocampus during normal aging
<b>10</b>	Laura White, B.S., BPMS	The effects of bilateral common carotid artery ligation on brain fatty acid concentration
<b>11</b>	Chengxuan Qiu, M.D., Ph.D., LEDB	Association of retinal pathology and cerebral white matter lesions: The AGES Study
<b>12</b>	David Miller, Ph.D., LNG	Abundant phosphorylation of alpha-synuclein in SNCA triplication cases: Biomarker implications for Parkinson's disease
<b>13</b>	Mar Matarin, M.S., LNG	Whole genome association study in stroke
<b>14</b>	Parastoo Momeni, Ph.D., LNG	TAU alternative splicing in neurodegenerative diseases
<b>15</b>	Jinhui Ding, Ph.D., LNG	Structural informatics study on LRRK2/dardarin
<b>16</b>	Chen Lai, Ph.D., LNG	Reduction of calcium-impermeable AMPA type glutamate receptors at the cell/synaptic surface of ALS2-deficient neurons increases their susceptibility to glutamate receptor-mediated excitotoxicity
<b>17</b>	Xian Lin, Ph.D., LNG	A motor neuron disease-related missense mutation in dynactin P150 <sup>glued</sup> destabilizes the mutant protein and results in loss function of dynein/dynactin motor protein complex
<b>18</b>	Lizhen Wang, Ph.D., LNG	Activation of protein kinase C by phorbol myristate acetate promotes the degradation of BACE1 through intracellular proteases
<b>19</b>	Hoon Shim, M.S., LNG	Generation of conditional mouse models for Alzheimer's disease and Parkinson's disease
<b>20</b>	Mika Shimoji, Ph.D., LNG	Increased vulnerability of DJ-1- deficient cells to rotenone-induced oxidative stress
<b>21</b>	Chengsong Xie, Ph.D., LNG	ALS2-deficient neurons display deficits in Rab5-mediated endosomal trafficking
<b>22</b>	Elisa Greggio, Ph.D., LNG	Requirement for kinase activity in the dominant cellular phenotypes associated with mutations in LRRK2/dardarin

23	Patrick Lewis, Ph.D., LNG	GTP binding and GTPase activity of LRRK2/dardarin mutants associated with dominant Parkinson's disease
24	Shushant Jain, M.S., LNG	A yeast-two-hybrid screen for potential novel interactors of the PARK8 protein, LRRK2/dardarin
25	Alexandra Beilina, M.S., LNG	Identification of potential substrates for the recessive Parkinson's disease kinase PINK1
26	Jeff Blackinton, B.S., LNG	Novel monoclonal antibodies reveal neuronal expression of the mitochondrial kinase PINK1 associated with recessive Parkinsonism
27	Rili Ahmad, M.S., LNG	DJ-1 oxidation in primate and rodent models of toxin-induced nigral cell loss
28	Joyce van de Leemput, M.S., LNG	Positional cloning of the spontaneous gene mutation responsible for a severe neurological disorder in an inbred mouse strain
29	Javier Simon Sanchez, Ph.D., LNG	Follow up on genome wide SNP association analysis of Parkinson's disease
30	Peisu Zhang, M.S., LNS	Silencing a neuron-restrictive silencer: Involvement of TRF2 and NRSF/REST association in neuronal differentiation and survival
31	Marc Gleichmann, Ph.D., LNS	Mechanisms of NMDA preconditioning in glutamate excitotoxicity
32	Thiruma V. Arumugam, Ph.D., LNS	Use of intravenous immunoglobulin against ischemic stroke-induced brain injury
33	Yue Wang, Ph.D., LNS	The PTEN phosphatase is essential for long-term depression of hippocampal synapses
34	Weiming Luo, M.S., LNS	Syntheses of tetrahydrofurobenzofurans and dihydromethanobenzodioxepines from 5-hydroxy-3-methyl-3H-benzofuran-2-one: Re-arrangement and ring expansion under reductive conditions on treatment with hydrides
35	Qian-sheng Yu, Ph.D., LNS	(-) and (+)-o-carbamoyl phenols of pyrroloindole, furoindole, furobenzofuran and benzodioxepine: Enantiomeric syntheses and anticholinesterase structure/activity relationships
36	David Tweedie, Ph.D., LNS	Actions of neurine, a product of acetylcholine autolysis, on neuronal cell viability, amyloid precursor protein and amyloid- $\beta$ peptide in cell culture
37	Yazhou Li, Ph.D., LNS	Glucagon-like peptide-1 (736) amide (GLP-1) preserves dopamine neurons and motor function in experimental Parkinsonism
38	Dong-Hoon Hyun, Ph.D., LNS	Effects of calorie restriction on the plasma membrane redox system: A mechanism contributing to prevention of apoptosis
39	Dong Liu, Ph.D., LNS	Neuroprotective role of ATP-dependent K <sup>+</sup> channels
40	Ying Liu, Ph.D., LNS	Genome wide profiling of human embryonic stem cells (hESCs), their derivatives and embryonic carcinoma cells to develop base profiles of U.S. Federal Government approved hESC lines
41	Yongquan Luo, B.S., LNS	A focused microarray to assess dopaminergic and glial cell differentiation from fetal tissue or embryonic stem cells
42	Tim Magnus, M.D., Ph.D., LNS	NG2 progenitors generate reactive astrocytes during nervous system inflammation
43	Matthew Nassar, B.S., LNS	The pathogenic role of zinc in a stroke model
44	Catherine Schwartz, Ph.D., LNS	Derivation of functional dopaminergic neurons from pluripotent human stem cells
45	Soojung Shin, D.V.M., Ph.D., LNS	Stage-dependent Olig2 expression in motor neurons and oligodendrocytes differentiated from embryonic stem cells
46	Richard Telljohann, B.S., LNS	Testing potential therapies for ALS
47	Ruiqian Wan, Ph.D., LNS	Effects of BDNF on cardiovascular activity in mice
48	Pamela Yao, Ph.D., LNS	Role of CALM in VAMP trafficking

<b>49</b>	Bronwen Martin, Ph.D., LNS	Lipid rafts in neuropathophysiological settings
<b>50</b>	Eric Norman, Ph.D., LNS	Ceramide signaling in neuronal excitability and synaptic plasticity
<b>51</b>	Sung-Chun Tang, M.D., LNS	Toll-like receptors and the response of neurons to ischemic injury
<b>52</b>	Mohamed Mughal, M.S., LNS	Interactions of dietary restriction and cocaine on brain molecular neurochemistry and behavior in mice
<b>53</b>	Stuart Maudsley, Ph.D., LNS	Organization and interaction of signaling systems in neurons
<b>54</b>	Michelle Pearson, B.S., LNS	From genes to behavior: Sex-dependent actions of dietary restriction in rats
<b>55</b>	Alexis Stranahan, B.S., LNS	Suppression of adult neurogenesis in animal models of diabetes
<b>56</b>	Peter R. Mouton, Ph.D., LEG	Noradrenergic degeneration in a mouse model of Alzheimer's disease
<b>57</b>	Lee Daffin, M.S., LEG	Effects of the PDE4 inhibitor, rolipram, on maze learning in rats
<b>58</b>	Mark Chachich, Ph.D., LEG	Assessment of $\beta$ -amyloid deposition in brains of a mouse model of Alzheimer's disease
<b>59</b>	Chris Nelson, B.S., LEG	Excitotoxic lesion of the rat striatum produces impairment in 14-unit T-maze performance
<b>60</b>	Guang Qiu, B.A., LEG	Evaluating the involvement of glucocorticoids in the enhanced neuroprotection observed in calorie restriction
<b>61</b>	Ming Zhan, Ph.D., RRB	Integrative genomic studies on human embryonic stem cells
<b>62</b>	Srinivasulu Chigurupati, Ph.D., RRB	Impaired wound healing in a neurodegenerative disease mouse model
<b>63</b>	Suresh Poosala, D.V.M., Ph.D., RRB	Apoptosis-related gene expression profiles in heart, liver, and kidney of ad libitum fed and caloric restricted mice in the AGEMAP study



**POSTER SESSION II - THURSDAY, MARCH 30, 2006**  
**3:30 P.M. - 5:00 P.M.**

**TOPIC: Cardiovascular Science**

<b>1</b>	Evgeny Kobrinsky, Ph.D., LCI	Minimum essential determinant of the $\beta_2$ subunit modulation of the $\text{Ca}_v1.2$ calcium channel
<b>2</b>	Evgeny Kobrinsky, Ph.D., LCI	Two-dimensional wavelet-based analysis of FRET microscopy for evaluating spatiotemporal dynamics of plasma membrane and intracellular microdomains
<b>3</b>	Nikolai M. Soldatov, Ph.D., LCI	Molecular movements of the $\text{K}_v2.1$ potassium channel termini associated with voltage gating
<b>4</b>	Girma Asemu Sebrie, D.V.M., Ph.D., LCI	Physiological characterization of the transgenic mouse overexpressing the human exon 22-isoform of the $\text{Ca}_v1.2$ calcium channel
<b>5</b>	Dongmei Yang, Ph.D., LCS	CaMKII stabilizes $\text{Ca}^{2+}$ signaling in the heart
<b>6</b>	Paul Chantler, Ph.D., LCS	Arterial ventricular coupling at rest, during exercise and recovery: insights into cardiovascular performance
<b>7</b>	Jinliang Li, Ph.D., LCS	The pro-angiogenic cytokine pleiotrophin potentiates cardiomyocyte apoptosis through inhibition of endogenous AKT/PKB activity
<b>8</b>	Tatiana Vinogradova, Ph.D., LCS	High basal level of cAMP and PKA-dependent phosphorylation drives internal $\text{Ca}^{2+}$ oscillator and spontaneous beating in cardiac pacemaker cells
<b>9</b>	Maria Volkova, Ph.D., LCS	Transcriptome and framework analysis to identify regulatory factors implicated in diverse biological systems or syndromes
<b>10</b>	Anthony Woo, Ph.D., LCS	Protective effects of fenoterol on rat ventricular myocytes
<b>11</b>	Didier Brochet, Ph.D., LCS	$\text{Ca}^{2+}$ waves: A view from inside the sarcoplasmic reticulum
<b>12</b>	Mingyi Wang, Ph.D., LCS	Calorie restriction reduces aortic MMP-2 activation and retards age-associated aortic remodeling in rats
<b>13</b>	Li-Qun Jiang, Ph.D., LCS	Calpain, MMP-2, and arterial aging in rats
<b>14</b>	Gaia Spinetti, Ph.D., LCS	Monocyte chemotactic protein 1 affects age-associated-vascular smooth muscle cells functions through the activation of transforming growth factor- $\beta$ 1 and matrix-metalloproteinase-type-II
<b>15</b>	Gianfranco Pintus, Ph.D., LCS	The transforming growth factor $\beta$ -binding protein vasorin is a new marker for age-associated arterial remodeling
<b>16</b>	Jessica McNeely, B.A., LCS	Respiratory influence on sodium sensitivity of blood pressure
<b>17</b>	Su Wang, Ph.D., LCS	Role of mitochondrial $\text{Ca}^{2+}$ uniporter in neuroprotection and cardioprotection
<b>18</b>	Ondrej Juhasz, Ph.D., LCS	P53 in ES cell-derived cardiomyocyte cultures
<b>19</b>	Vladimir A. Kashkin, M.D., Ph.D., LCS	Marinobufagenin mediates pressor response to ethanol withdrawal in rats
<b>20</b>	Victor Maltsev, Ph.D., LCS	Cardiomyocytes differentiated in vitro from mouse embryonic stem cells develop the adult type $\text{Ca}^{2+}$ -induced $\text{Ca}^{2+}$ release
<b>21</b>	Syevda Sirenko, Ph.D., LCS	Cardiomyocytes derived from mouse embryonic stem cells express multiple types developmentally regulated local $\text{Ca}^{2+}$ releases
<b>23</b>	Alexey Lyashkov, Ph.D., LCS	$\text{Ca}^{2+}$ -cycling proteins in sinoatrial node cells: relevance to pacemaker function
<b>24</b>	Nagababu Enika, Ph.D., MDS	Heme degradation as a measure of red cell oxidative stress in vivo

**TOPIC: Nutrition**

25	Holly Canuto, Ph.D., LCI	Contrast agents in MRI studies of cartilage: The effect of charge on uptake kinetics and partition coefficient
26	Josephine M. Egan, M.D., LCI	Transferrin fusion technology: A novel approach to prolong biological half life of GLP-1
27	Joseph M. Rifkind, Ph.D., MDS	Production of nitric oxide by red cell nitrite reduction: The bioactive intermediates
28	Jane Saczynski, Ph.D., LEDB	Diabetes and cognitive performance: The AGES Study
29	Rita Peila, Ph.D., LEDB	Diabetes and cerebral white matter lesions: The AGES Study
30	Richard G. Spencer M.D., Ph.D., LCI	Defining a target for tissue engineering of cartilage and bridging the gap: glucosamine and other agents
31	Sharan Ramaswamy, Ph.D., LCI	Is tissue repair in rabbit osteochondral defects improved by bonding of non-cellular hydrogels? MRI and histologic outcomes
32	Byung-Joon Kim, M.D., Ph.D., LCI	Notch mediates insulinotropic signaling in $\beta$ -cells
33	Tie-Nian Zhu, Ph.D., LCI	Regulation of metalloproteinase 9 expression by filamin A in human melanoma cells
34	Yi Xie, Ph.D., LCI	Regulation of STAT3 nuclear translocation by pyrrolidine dithiocarbamate in HepG2 cells
35	Joanne Allard, Ph.D., LEG	In vitro cellular responses to serum collected from the human FEAST study
36	Kevin Pearson, Ph.D., LEG/LCS	High doses of Resveratrol improve survival rate in mice given a Western diet
37	Nathan Price, B.A., LEG	Lack of beneficial effects of caloric restriction on DMBA-induced tumors in NRF2 KO mice
38	Nicole Hunt, Ph.D., LEG	Calorie restriction induces mitochondrial biogenesis and bioenergetic efficiency
39	Jason Sinclair, B.S., LEG	The effects of 2DG in conjunction with dietary restriction on Drosophila lifespan
40	Min Zhu, Ph.D., LEG	Modulation of adipogenesis signaling by calorie restriction in rat white adipose tissue
41	Lijuan Liu, M.D., M.S., LEG	Calorie restriction delays cell senescence in IMR-90 and WI-38 cells

**POSTER SESSION I - FRIDAY, MARCH 31, 2006**  
**10:45 A.M. - 12:15 P.M.**

**TOPIC: Translational and Clinical Research**

<b>1</b>	Andrzej Trzeciak, Ph.D., LCMB	Application of the alkaline comet assay in measuring DNA repair capacity in human populations
<b>2</b>	Chanil Moon, M.D., Ph.D., LCS	More is not better: Erythropoietin in treatment of acute myocardial infarction - experimental study
<b>3</b>	Julie Wu, M.S., LEG	Predicting follicular response to controlled ovarian stimulation (COS) in rhesus monkeys
<b>4</b>	Joy Mohanty, Ph.D, MDS	Oxidative stress and the HANDLS study
<b>5</b>	Roy Cutler, M.S., LNS	Alternate day calorie restriction improves clinical findings and inflammation in overweight adults with moderate asthma
<b>6</b>	Julie Mattison, Ph.D, LEG	Ocular function and pathology in rhesus monkeys: preliminary findings
<b>7</b>	Sara Angleman, M.A., LEDB	The role of adiposity on the association between inflammation and disability
<b>8</b>	Antonia Coppin, M.D., Ph.D., LEDB	Chronic pain and mobility disability among older adults: The role of physiological impairments.
<b>9</b>	Marcello Maggio, M.D., Ph.D., CRB	Sex hormone binding globulin and the metabolic syndrome
<b>10</b>	Edgar Miller, M.D., CRB	Proteinuria and progressions of kidney disease
<b>11</b>	Matthew J. Weeks, B.A., CRB	The influence of walking speed and body mass index on knee torque
<b>12</b>	Angelo Bos, M.D., Ph.D., CRB	Use of teleform to improve Baltimore Longitudinal Study of Aging data quality
<b>13</b>	Carmelinda Ruggiero, M.D., CRB	Resting metabolic rate and mortality in the Baltimore Longitudinal Study of Aging
<b>14</b>	Dalva Padilha, M.P., D.D.S., Ph.D., CRB	Risk factors for tooth loss and relationship of number of teeth to mortality in the Baltimore Longitudinal Study of Aging
<b>15</b>	Ha T. Nguyen, Ph.D., LPC	On the overlap between anxiety and depressive symptoms in cognitive impairment: Findings from HANDLS
<b>16</b>	Israel Cross, B.A., LPC	Working to beat cardiovascular disease: Unemployment as a risk factor for heart disease
<b>17</b>	Melissa Kitner-Triolo, Ph.D., LPC	A preliminary investigation of socioeconomic status, self-rated health and cognition in the HANDLS epidemiological study
<b>18</b>	Loretta Ayd-Simpson, P.A., CRB	Why does place matter? Influence of social and physical environment on health over the life course
<b>19</b>	Rebecca Wilbur, M.A., CRB	The effects of anger and happy recall on cardiovascular response in the HANDLS Cherry Hill tract
<b>20</b>	Jenny Lloyd, M.A., CRB	Neighborhood influences on health disparities: Obesity and hypertension in African American residents of Baltimore City
<b>21</b>	Ngozi Ejiogu, M.D., CRB	Disease burden and socioeconomic status: Can we HANDLE it?
<b>22</b>	Kamala Foster, M.D., CRB	Is waist-to-hip ratio a predictor for cardiovascular risk?
<b>23</b>	Marie T. Fanelli Kuczmarski, Ph.D., CRB	Nutritional characteristics of the HANDLS cohort: A first look at the Automated Multiple Pass Method (AMPM)
<b>24</b>	Antonio Terracciano, Ph.D., LPC	Smoking, substance use, and personality
<b>25</b>	Nicholas S. Patriciu, B.A., LPC	Personality predictors of depression
<b>26</b>	S. Carrington Rice, B.S., LPC	Association between obesity and cognitive performance in the Baltimore Longitudinal Study of Aging
<b>27</b>	Lori Beason-Held, Ph.D., LPC	Long-term statin use affects brain function in the elderly

28	Ira Driscoll, Ph.D., LPC	Does Alzheimer's neuropathology influence cognitive trajectories in people without dementia?
29	Richard G. Spencer M.D., Ph.D., LCI	Quantification in clinical MR spectroscopy: The modified matched filter
30	Ben Griswold, LCI	Genotype/Phenotype correlations with Co12A1 mutations in Stickler syndrome
31	Maria E. Rodriguez-Rosas, Ph.D., LCI	Comparison of the detection limits of ifosfamide and its 2-and 3-N-dechloroethylated metabolites on a liquid chromatography mass spectrometry system using an electrospray interface or an atmospheric pressure chemical ionization interface
32	Alexandre Maciuk, Ph.D., LCI	Screening of nicotinic acetylcholine receptors ligands from tobacco smoke using bioaffinity chromatography
33	Sharan Ramaswamy, Ph.D., LCI	Towards monitoring cartilage repair: Longitudinal evaluation of matrix development in hydrogels <i>ex vivo</i>
34	Tomoko Kimura, Ph.D., LCI	Development of an immobilized human organic anion transporter column
35	Heeseung Kim, Ph.D., LCI	Capillary electrophoresis-based on-line monitoring of drug metabolism using direct injection of uridine disphosphate glucuronosyltransferase containing rat liver microsomes
36	Ruin Moaddel, Ph.D., LCI	Comparison of an open tubular column containing immobilized PGP with Caco -2 monolayers for the purpose of investigating the interaction between drug candidates and P-glycoprotein
37	Danuta Siluk, Ph.D., LCI	HPLC method development for the simultaneous determination of vitamins A and E in human plasma
38	Federica Bigli, B.A., LCI	Development of a mutant organic cation transporter column for on-line screening
39	Regina Oliveira, Ph.D., LCI	LC/MS method development for enantioselective quantification of ifosfamide and its two dechloroethylated metabolites in human plasma and urine
40	Nazli McDonnell, M.D., Ph.D., LCI	An unusually high incidence of elevated low density lipoprotein and total cholesterol in women with Ehlers Danlos syndrome
41	Nazli McDonnell, M.D., Ph.D., LCI	Do abnormalities of extracellular matrix elements lead to auto-immune disorders later in life? High incidence of rheumatoid arthritis in older persons with Ehlers Danlos syndrome